

Introduction

In 1997 the first international conference "Field Screening Europe" was held in Karlsruhe. Because of an increasing interest in on-site analysis strategies and a fast development in this field, the second meeting of this series will be organized by several institutes and the Environmental Research Center (FZU) of the University of Karlsruhe.

The Organizing Committee and Scientific Committee invites you to attend this second International Conference "Field Screening Europe" which will be held in

Karlsruhe, May 14 - 16, 2001.

The 2001 meeting will be organized by the University of Karlsruhe. It is supported by the Landesamt für Umweltschutz Baden-Württemberg, Karlsruhe and the Umweltbundesamt Berlin.

What is Field Screening?

The conventional procedure in assessing pollutants to the environment includes sampling in the field, sample transportation to the laboratory, sample preparation (depending on the extent of the contamination) and finally, the analysis and interpretation of test results. This method is, however, time consuming and expensive to carry out. The costs of the exploration of contaminated sites often amount to a high share of the total costs.

Furthermore, problems arise in the determination of contaminants and their distribution because of sample alteration during transport and storage. Even more, sampling in single points does not describe the variation of the pollutants in space

and time. Field Screening methods can, however, solve these problems. Field laboratories, portable instruments and new sensory techniques make it possible. The result of measurements are immediately available.

The term, "Field Screening", includes methods used in on-site measurements which assess environmental contaminants in soil, water, air and waste. As an interdisciplinary approach, Field Screening is a new research area that has gained attention and importance in recent years through path-breaking innovations in measurement techniques, e. g. in the area of biochemical analysis, sensory techniques, etc. and through increasing demands upon environmental monitoring. Today, intensive activities in research and development are going on this area and its strong market potential can be noted. The practical relevance of Field Screening requires theory and practice going hand in hand.

The objective of this conference and exhibition is the continuation of discussions about on-site analysis together with methods, techniques and technologies in Field Screening. Among these questions are the development of all inclusive reconnaissance strategies, problems of measurement in heterogeneous media using, among others, new geotechnical and geophysical instruments, the application of chemical and physical in-situ measurement techniques will also be discussed in this event.

The conference offers opportunities for dialogues between researchers and developers, between users in the field, service providers and environmental authorities.

Contact address

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Conference Topics

1. Screening Strategies, Sampling and Sample Handling
2. Site Characterization, Information Processing
3. Sensor Technologies (soil, water, air, waste)
4. Method Comparison, Quality Assurance and Quality Control

During the conference, several training courses are planned to be offered.

Call for papers

All contributions will be reviewed for publication in the conference proceedings.

Deadline for submission of extended abstracts (two pages, English language):

October 15, 2000

All authors of abstracts will be informed of the Scientific Committee's decision by

November 30, 2000

Deadline for Submission of full paper:

January 31, 2001

The proceedings volume will be presented at the beginning of the conference.



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Germany

Reply Card

Name _____

Affiliation _____

Address _____

Phone _____

Fax _____

E-mail _____

- I plan to participate in your conference. Please send me a registration form.
- My company plans to take part in the industrial exhibition. Please send me the Exhibitors Information Package.
- I plan a scientific contribution for:
- Oral presentation
 - Poster Session

Title: _____

Topic number:

Date _____ Signature _____

Call for Minisymposia

A minisymposium consists of 4-5 talks of 20 minutes each on special subjects of the conference, proposed and organized by conference participants. We encourage all participants to make proposals (name of organizers, summary of the intentions of the minisymposium plus list of 4-5 speakers with title of talks. Speakers will be asked to send in their extended abstracts separately).

Deadline for the proposals of minisymposia:

September 15, 2000

Industrial Exhibition

An industrial exhibition will be held in the immediate vicinity, as a part of the conference. The exhibition area will be located in front of the conference rooms to allow visitors and participants easy access to all exhibits. For additional information please contact the organizers.

Conference Fees

The conference fee will be

Early registration (before Jan. 31, 2001)	EUR 300,--
Late registration (after Jan. 31, 2001)	EUR 350,--
Students	EUR 100,--

Local Organizing Committee

Wolfgang Breh (Applied Geology), Johannes Gottlieb (Environmental Research Center), Heinz Hötzl (Applied Geology), Karin Huck (Geochemistry), Frieder Kern (LfU Baden-Württemberg), Doris Stüben (Geochemistry), Helmut Wilhelm (Geophysics)

Scientific Committee

- Reinhard Niessner (chairman),
University of Munich, GER
- B. Barczewski, University of Stuttgart, GER
- A. M. Braun, University of Karlsruhe, GER
- K. Cammann, University of Muenster, GER
- G. Eiceman, New Mexico State Univ., USA
- J. Goschnick, Forschungszentrum Karlsruhe, GER
- P. Grathwohl, University of Tübingen, GER
- V. Iliceto, University of Padua, IT
- W. Irminski, Environmental Geology, POL
- T. Dullau, Bayer AG Leverkusen, GER
- E. N. Koglin, US EPA, USA
- W. W. Kovalick, US EPA, USA
- G. Matz, Tech. Univ. Hamburg-Harburg, GER
- H. Meuzelaar, University of Utah, USA
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- H.-J. Seng, LfU Baden-Württemberg, GER
- U. Spohn, University of Halle-Wittenberg, GER
- K. Terytze, Umweltbundesamt, GER
- U. Yaramanci, Technical Univ. Berlin, GER



Second International Conference and
Industrial Exhibition

"Field Screening Europe 2001"

Strategies and Techniques for On-Site
Investigation and Monitoring of Contaminated
Soil, Water, Air and Waste

**1st Announcement
and
Call for Papers**

**Karlsruhe
May 14 - May 16, 2001**